

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Walke *et al.*

Prior Group Art Unit: 1652

Application No.: To be assigned  
Parent Application Serial Number 09/734,492

Prior Application Examiner:  
S. Swope

Filed: Concurrently Herewith

Attorney Docket No.: LEX-0467-USA

Title: Novel Human Transferase Proteins and  
Polynucleotides Encoding the Same

**REQUEST TO MAKE PRIOR ART FROM PREVIOUS APPLICATION OF RECORD**

Commissioner for Patents  
Alexandria, VA 22313

Sir:

The present paper constitutes Applicants' compliance with their duty of disclosure under 37 C.F.R. § 1.56. Please make all prior art of record in parent application Serial No. 09/734,492, filed December 11, 2000, of record in the present case, including that cited by the Office and Applicants. As a courtesy, copies of the Form PTO-1449s from the prior application are included herewith as **Exhibit A**.

Respectfully submitted,

December 9, 2003

Date

   
Lance K. Ishimoto      Peter G. Selzer  
Reg. No. 41,866

Attorney for Applicants

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## EXHIBIT "A"

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Substituted for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/734,492	
			Filing Date	December 11, 2000	
			First Named Inventor	Walke	
			Group Art Unit	1646	
Examiner Name	To Be Assigned				
Sheet	1	of	3	Attorney Docket Number	LEX-0107-USA

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	4,215,051		Schroeder et al	07/29/80	
	AB	4,376,110		David et al	03/08/83	
	AC	4,594,595		Struckman et al	06/10/86	
	AD	4,631,211		Houghten	12/23/86	
	AE	4,689,405		Frank et al	08/25/87	
	AF	4,713,326		Dattagupta et al	12/15/87	
	AG	4,946,778		Ladner et al	08/07/90	
	AH	5,252,743		Barrett et al	10/12/93	
	AI	5,424,186		Fodor et al	06/13/95	
	AJ	5,445,934		Fodor et al	08/29/95	
	AK	5,459,127		Felgner et al	10/17/95	
	AL	5,556,752		Lockhart et al	09/17/96	
	AM	5,691,180		Lowe et al	11/25/97	
	AN	5,700,637		Souther	12/23/97	
	AO	5,744,305		Fodor et al	04/28/98	
	AP	5,837,458		Minshull et al	11/17/98	
	AQ	5,869,336		Meyer et al	02/09/99	
	AR	5,877,397		Lonberg et al	03/02/99	
	AS	5,948,767		Scheule et al	09/07/99	
	AT	6,075,181		Kuucheralapati et al	06/13/00	
	AU	6,110,490		Thierry	08/29/00	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Group Art Unit	
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				Attorney Docket Number	
Sheet	2	of	3		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AV	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.	
	AW	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.	
	AX	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.	
		Cote et al, 1983, "Generation of human monoclonal antibodies reactive with cellular antigens", Proc. Natl. Acad. Sci. USA 80:2026-2030.	
	AY	Dohi T. et al. 1996. "Detection of N-acetylglucosaminyltransferase mRNA which determines Sda blood carbohydrate structure in human gastrointestinal", INT. J. CANCER 67(5):623-631.	
	AZ	Gautier et al. 1987. "α-DNA IV: α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.	
	BA	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.	
	BB	Huse et al. 1989. "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
	BC	Huston et al. 1988. "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
	BD	Inoue et al. 1987. "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", FEBS Letters 215(2):327-330.	
	BE	Inoue et al. 1987. "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
	BF	Inoué & Inoué, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
	BG	Janknecht et al. 1991. "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", Proc. Natl. Acad. Sci. USA 88:8972-8976.	
	BH	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
	BI	Loan et al. 1984. "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	
	BJ	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster apt Gene", Cell 22:817-823.	
	BK	Morrison et al. 1984. "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
	BL	Mulligan & Bero. 1981. "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
	BM	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.	
	BN	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.	
	BO	O'Hare et al. 1981. "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.	
	BP	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.	
	BQ	Santerre et al. 1984. "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
	BR	Sarin et al. 1988. "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	
	BS	Smith et al. 1983. "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	

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Sheet	3	of	3	Attorney Docket Number	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	BT	Smith and Lowe 1994, "Molecular cloning of a murine N-acetylgalactosamine transferase cDNA that determines expression of the T lymphocyte-specific CT oligosaccharide differentiation antigen", J. Biol. Chem 26-(21)15162-15171.	
	BU	Stein et al. 1988. "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
	BV	Szvbalska & Szvbalski. 1962. "Genetics of Human Cell Lines. IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	
	BW	Takeda et al. 1985. "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
	BX	Van Heeke et al. 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
	BY	Ward et al. 1989. "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
	BZ	Wigler et al. 1980. "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	
	CA	Wigler et al. 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.	
	CB	DATABASE ENTRY AQ183263 'Online! EMBL; Accession No AQ183263, September 21, 1998, Mahairas G.G. et al: "HS_3140_B2_H03_MR CIT Approved Human genomic sperm library D homo sapiens genomic clone Plate=3140 Col=6 Row=P, genomic survey.", XP002164195	

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